## Contents

### Invited Surveys

- Combinatorial Games: From Theoretical Solving to AI Algorithms  
  *Eric Duchêne*  
  
- A Gentle Introduction to Reinforcement Learning  
  *Ann Nowé and Tim Brys*  
  
- Possibilistic Graphical Models for Uncertainty Modeling  
  *Karim Tabia*  

### Regular Papers

- On the Explanation of SameAs Statements Using Argumentation  
  *Abdallah Arioua, Madalina Croitoru, Laura Papaleo, Nathalie Pernelle, and Swan Rocher*  
  
- Reasoning with Multiple-Agent Possibilistic Logic  
  *Asma Belhadi, Didier Dubois, Faïza Khellaf-Haned, and Henri Prade*  
  
- Incremental Preference Elicitation in Multi-attribute Domains for Choice and Ranking with the Borda Count  
  *Nawal Benabbou, Serena Di Sabatino Di Diodoro, Patrice Perny, and Paolo Viappiani*  
  
- Graphical Models for Preference Representation: An Overview  
  *Nahla Ben Amor, Didier Dubois, Héla Gouider, and Henri Prade*  
  
- Diffusion of Opinion and Influence  
  *Laurence Cholvy*  
  
- Fuzzy Labeling for Abstract Argumentation: An Empirical Evaluation  
  *Célia da Costa Pereira, Mauro Dragoni, Andrea G.B. Tettamanzi, and Serena Villata*  
  
- A Belief-Based Approach to Measuring Message Acceptability  
  *Célia da Costa Pereira, Andrea G.B. Tettamanzi, and Serena Villata*  
  
- Intertranslatability of Labeling-Based Argumentation Semantics  
  *Sarah Alice Gaggl and Umer Mushtaq*  
  
- Preference Inference Based on Pareto Models  
  *Anne-Marie George and Nic Wilson*
Persuasion Dialogues via Restricted Interfaces Using Probabilistic Argumentation
Anthony Hunter ................................................................. 184

Metric Logic Program Explanations for Complex Separator Functions
Srijan Kumar, Edoardo Serra, Francesca Spezzano,
and V.S. Subrahmanian ................................................. 199

A Two-Stage Online Approach for Collaborative Multi-agent Planning Under Uncertainty
Iván Palomares, Kim Bauters, Weiru Liu, and Jun Hong ................................................................. 214

∃-ASP for Computing Repairs with Existential Ontologies
Jean-François Baget, Zied Bouraoui, Farid Nouioua, Odile Papini,
Swan Rocher, and Eric Würbel ........................................... 230

Probabilistic Reasoning in the Description Logic $\mathcal{ALCP}$ with the Principle of Maximum Entropy
Rafael Peñaloza and Nico Potyka ....................................................... 246

Fuzzy Quantified Structural Queries to Fuzzy Graph Databases
Olivier Pivert, Olfa Slama, and Virginie Thion ........................................... 260

Reasoning with Data - A New Challenge for AI?
Henri Prade ................................................... 274

Probabilistic Spatial Reasoning in Constraint Logic Programming
Carl Schultz, Mehul Bhatt, and Jakob Suchan ........................................... 289

ChoiceGAPs: Competitive Diffusion as a Massive Multi-player Game in Social Networks
Edoardo Serra, Francesca Spezzano, and V.S. Subrahmanian ........................................... 303

Short Papers

Challenges for Efficient Query Evaluation on Structured Probabilistic Data
Antoine Amarilli, Silviu Maniu, and Mikaël Monet ........................................... 323

Forgetting-Based Inconsistency Measure
Philippe Besnard ................................................................. 331

A Possibilistic Multivariate Fuzzy c-Means Clustering Algorithm
Ludmila Himmelspach and Stefan Conrad ........................................... 338

A Measure of Referential Success Based on Alpha-Cuts
Nicolás Marín, Gustavo Rivas-Gervilla, and Daniel Sánchez ........................................... 345
Scalable Uncertainty Management
10th International Conference, SUM 2016, Nice, France, September 21-23, 2016, Proceedings
Schockaert, S.; Senellart, P. (Eds.)
2016, XI, 361 p. 64 illus., Softcover
ISBN: 978-3-319-45855-7